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*Theoretical Computer Science, Volume 173, Issue 1, 20 February 1997, Pages 3-48*  
Laurent Michel and Pascal Van Hentenryck  
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78. ☐ **Microstructural optimization of functionally graded composites subjected to a thermal gradient via the coupled higher-order theory • ARTICLE**  
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Jacob AboudiMarek-Jerzy PinderaSteven M. Arnold  
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79. ☐ **An efficient computational procedure for solving entropy optimization problems with infinitely many linear constraints • ARTICLE**  
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80. ☐ **Computer aided product design: problem formulations, methodology and applications • ARTICLE**  
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L. Constantinou, K. Bagherpour, R. Gani, J. A. Klein and D. T. Wu  
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81. ☐ **Arrays, bounded quantification and iteration in logic and constraint logic programming • ARTICLE**  
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Krzysztof R. Apt  
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82. ☐ **Application of genetic algorithms to point-to-point motion of redundant manipulators • ARTICLE**  
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85. ☐ **Conditional subgradient optimization — Theory and applications • ARTICLE**  
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86. ☐ **Interactive multiobjective decision-making approach to image reconstruction from projections • ARTICLE**  
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Yuanmei Wang and Friedrich M. Wahl  
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87. ☐ **Interval approach to process system engineering problems • ARTICLE**  
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88. ☐ **The control of shoulder muscles during goal directed movements, an inverse dynamic analysis • ARTICLE**  
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R. Happee and F. C. T. Van der Helm  
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89. ☐ **A Chebyshev approximation for solving optimal control problems • ARTICLE**  
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T. M. El-Gindy and H. M. El-HawaryM. S. SalimM. El-Kady

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90. ☐ **Parallel implementation of a genetic algorithm • ARTICLE**  
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 R. Davies and T. Clarke  
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91. ☐ **Multiobjective optimal thermal power dispatch • ARTICLE**  
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 J. S. Dhillon and S. C. PartiD. P. Kothari  
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92. ☐ **Capacitated clustering problems by hybrid simulated annealing and tabu search • ARTICLE**  
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93. ☐ **An optimization procedure for the design of prop-rotors in high speed cruise including the coupling of performance, aeroelastic stability, and structures • ARTICLE**  
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94. ☐ **Cellular control of manufacturing systems • ARTICLE**  
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95. ☐ **Optimal tolerance allotment using a genetic algorithm and truncated Monte Carlo simulation • ARTICLE**  
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 G. N. Vanderplaats  
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98. ☐ **Unified theory of automation in process planning utilizing multiobjectives under real world constraints** • ARTICLE  
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Nand K. Jha  
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99. ☐ **Coarse optimization for complex systems: An application of orthogonal experiments** • ARTICLE  
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100. ☐ **Influence of shear forces between layers on the carrying capacity of cylindrical shells made of composite materials** • ARTICLE  
*Thin-Walled Structures, Volume 14, Issue 3, 1992, Pages 181-191*  
S. A. ShulgaDaniel E. SudolFumio Nishino  
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PGPUB-DOCUMENT-NUMBER: 20060058991

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060058991 A1

TITLE: System and method for optimization process repeatability in an on-demand computing environment

PUBLICATION-DATE: March 16, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kumar; Tarun	Ossining	NY	US
<u>Parija</u> ; Gyana R.	Poughkeepsie	NY	US
Xi; Haifeng	Yorktown Heights	NY	US

US-CL-CURRENT: 703/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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☐ 2. Document ID: US 20050177381 A1

L1: Entry 2 of 4

File: PGPB

Aug 11, 2005

PGPUB-DOCUMENT-NUMBER: 20050177381

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050177381 A1

TITLE: Method and structure for providing optimal design of toleranced parts in manufacturing

PUBLICATION-DATE: August 11, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Parija</u> , Gyana Ranjan	Poughkeepsie	NY	US
Mohanty, Monalisa	Poughkeepsie	NY	US
Levanoni, Menachem	Poway	CA	US

US-CL-CURRENT: 705/1; 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 20050106549 A1

L1: Entry 3 of 4

File: PGPB

May 19, 2005

PGPUB-DOCUMENT-NUMBER: 20050106549

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050106549 A1

TITLE: Optimization of class scheduling under demand uncertainty

PUBLICATION-DATE: May 19, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Parija</u> , Gyana Ranjan	Poughkeepsie	NY	US
Davidson, David Jonrowe	Marietta	GA	US
Sharma, Samir	Mohegan Lake	NY	US

US-CL-CURRENT: 434/362; 434/322, 434/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 20050065838 A1

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File: PGPB

Mar 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050065838

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050065838 A1

TITLE: Accepting bids under uncertain future demands

PUBLICATION-DATE: March 24, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kalagnanm, Jayant R.	Tarrytown	NY	US
Mohanty, Monalisa	Poughkeepsie	NY	US
<u>Parija</u> , Gyana Ranjan	Poughkeepsie	NY	US

US-CL-CURRENT: 705/10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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Jul 6, 2006

PGPUB-DOCUMENT-NUMBER: 20060149608

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060149608 A1

TITLE: Method and apparatus for evaluating a proposed solution to a constraint problem

PUBLICATION-DATE: July 6, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Asgari; Mehdi	Wilmington	NC	US
Kropaczek; David Joseph	Wilmington	NC	US
Kvaall; Gerald Dean JR.	Wilmington	NC	US
Jackson; Roland Otto	Wilmington	NC	US
Sutton; Steven Barry	Wilmington	NC	US
Oyarzun; Christian Carlos	Wilmington	NC	US

US-CL-CURRENT: 705/8

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Jul 6, 2006

PGPUB-DOCUMENT-NUMBER: 20060149512

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060149512 A1

TITLE: Method and apparatus for evaluating a proposed solution to a constraint problem

PUBLICATION-DATE: July 6, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kropaczek; David Joseph	Wilmington	NC	US

Karve; Atul Arun	Wilmington	NC	US
Chopelas; Angelo Peter	Wilmington	NC	US
Moore; Brian	Wilmington	NC	US

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 20040230408 A1

L4: Entry 3 of 18

File: PGPB

Nov 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040230408  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040230408 A1

TITLE: Automatic phase lock loop design using geometric programming

PUBLICATION-DATE: November 18, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Colleran, David M.	San Mateo	CA	US
Hassibi, Arrash	Menlo Park	CA	US

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 20040133526 A1

L4: Entry 4 of 18

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040133526  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040133526 A1

TITLE: Negotiating platform

PUBLICATION-DATE: July 8, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Shmueli, Oded	Nofit		IL
Golany, Boaz	Haifa		IL
Sayegh, Robert	Haifa		IL
Shachnai, Hadas	Haifa		IL
Perry, Mordechai	Mevasseret		IL
Gradovitch, Noah	Haifa		IL

Yehezkel, Benny

Ramat Gan

IL

US-CL-CURRENT: 705/80

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 20040095907 A1

L4: Entry 5 of 18

File: PGPB

May 20, 2004

PGPUB-DOCUMENT-NUMBER: 20040095907

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040095907 A1

TITLE: Method and apparatus for optimization of wireless multipoint electromagnetic communication networks

PUBLICATION-DATE: May 20, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Agee, Brian G.	San Jose	CA	US
Bromberg, Matthew C.	Leominster	MA	US

US-CL-CURRENT: 370/334; 370/400

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 6. Document ID: US 20040059696 A1

L4: Entry 6 of 18

File: PGPB

Mar 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040059696

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040059696 A1

TITLE: Method and apparatus for adaptively determining weight factors within the context of an objective function

PUBLICATION-DATE: March 25, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kropaczek, David Joseph	Kure Beach	NC	US
Cline, William Charles	Wilmington	NC	US
Russell, William Earl II	Wilmington	NC	US

US-CL-CURRENT: 706/46; 700/28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 7. Document ID: US 20040059549 A1

L4: Entry 7 of 18

File: PGPB

Mar 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040059549  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040059549 A1

TITLE: Method and apparatus for evaluating a proposed solution to a constraint problem

PUBLICATION-DATE: March 25, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kropaczek, David Joseph	Kure Beach	NC	US
Russell, William Earl II	Wilmington	NC	US
Cline, William Charles	Wilmington	NC	US

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 8. Document ID: US 20040027206 A1

L4: Entry 8 of 18

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040027206  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040027206 A1

TITLE: Automatic phase lock loop design using geometric programming

PUBLICATION-DATE: February 12, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Colleran, Dave	San Jose	CA	US
Hassibi, Arash	Mountain View	CA	US

US-CL-CURRENT: 331/16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 9. Document ID: US 20030220772 A1

L4: Entry 9 of 18

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030220772

PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030220772 A1

TITLE: Dynamical methods for solving large-scale discrete and continuous optimization problems

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Chiang, Hsiao-Dong	Ithaca	NY	US
Li, Hua	Ithaca	NY	US

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 10. Document ID: US 20010051936 A1

L4: Entry 10 of 18

File: PGPB

Dec 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010051936  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20010051936 A1

TITLE: System and method for determining an optimum or near optimum solution to a problem

PUBLICATION-DATE: December 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Michalewicz, Zbigniew	Charlotte	NC	US

US-CL-CURRENT: 706/46

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 11. Document ID: US 6909330 B2

L4: Entry 11 of 18

File: USPT

Jun 21, 2005

US-PAT-NO: 6909330  
DOCUMENT-IDENTIFIER: US 6909330 B2

TITLE: Automatic phase lock loop design using geometric programming

DATE-ISSUED: June 21, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Colleran; David M.                      San Mateo                      CA  
Hassibi; Arrash                      Menlo Park                      CA

US-CL-CURRENT: 331/8; 716/18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 12. Document ID: US 6530873 B1

L4: Entry 12 of 18

File: USPT

Mar 11, 2003

US-PAT-NO: 6530873

DOCUMENT-IDENTIFIER: US 6530873 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Brachytherapy treatment planning method and apparatus

DATE-ISSUED: March 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Eva K.	Atlanta	GA		

US-CL-CURRENT: 600/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 13. Document ID: US 6496741 B1

L4: Entry 13 of 18

File: USPT

Dec 17, 2002

US-PAT-NO: 6496741

DOCUMENT-IDENTIFIER: US 6496741 B1

TITLE: Static/dynamic control for optimizing a useful objective

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Whiffen; Gregory J.	Round Lake	NY	12151	

US-CL-CURRENT: 700/28; 244/158.1, 244/164, 318/561, 318/563, 318/565, 318/566,  
700/262, 700/29, 700/30, 700/31, 700/88, 700/90

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 14. Document ID: US 6387034 B1



L4: Entry 14 of 18

File: USPT

May 14, 2002

US-PAT-NO: 6387034

DOCUMENT-IDENTIFIER: US 6387034 B1

TITLE: Brachytherapy treatment planning method and apparatus

DATE-ISSUED: May 14, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Eva K.	Atlanta	GA		

US-CL-CURRENT: 600/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawings
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☐ 15. Document ID: US 6370467 B1

L4: Entry 15 of 18

File: USPT

Apr 9, 2002

US-PAT-NO: 6370467

DOCUMENT-IDENTIFIER: US 6370467 B1

TITLE: Method of calculating optimal wheelslips for brake controller

DATE-ISSUED: April 9, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kimbrough; Scott Stephen	Salt Lake City	UT		

US-CL-CURRENT: 701/71; 188/181C, 303/186, 701/75, 701/84

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawings
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☐ 16. Document ID: US 6292735 B1

L4: Entry 16 of 18

File: USPT

Sep 18, 2001

US-PAT-NO: 6292735

DOCUMENT-IDENTIFIER: US 6292735 B1

TITLE: Wheelslip regulating brake control

DATE-ISSUED: September 18, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kimbrough; Scott Stephen	Salt Lake City	UT		

US-CL-CURRENT: 701/91; 180/197, 303/146, 303/148, 701/72, 701/78

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 17. Document ID: US 6182014 B1

L4: Entry 17 of 18

File: USPT

Jan 30, 2001

US-PAT-NO: 6182014

DOCUMENT-IDENTIFIER: US 6182014 B1

TITLE: Method and system for optimizing logistical operations in land seismic surveys

DATE-ISSUED: January 30, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kenyon; Astrid S.	Cedar Park	TX		
Morrice; Douglas J.	Austin	TX		

US-CL-CURRENT: 702/14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 18. Document ID: US 5715165 A

L4: Entry 18 of 18

File: USPT

Feb 3, 1998

US-PAT-NO: 5715165

DOCUMENT-IDENTIFIER: US 5715165 A

TITLE: Method and system for scheduling using a facet ascending algorithm or a reduced complexity bundle method for solving an integer programming problem

DATE-ISSUED: February 3, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Luh; Peter B.	Storrs	CT		
Tomastik; Robert N.	Manchester	CT		

US-CL-CURRENT: 700/173; 700/100, 700/103

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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